ANCHOR QEA

DAILY REPORT

PROJECT	San Jacinto River Waste Pits TCRA	**CONTRACT NO.**	
CONTRACTOR	USA Environment, LP	**SUPERINTENDENT**	Ron Griffith
DAY OF WEEK & DATE:	**Thursday, May 19, 2011**	**REPORT NO.**	**107**
WEATHER	Mostly cloudy, moderate-to-strong wind from southeast	**TEMPERATURE**	L:70° H:85°F

NUMBER/CLASS OF CONTRACTOR'S PERSONNEL:

9 – USA Environment (USA)
11 – Shirley & Sons

MAJOR EQUIPMENT ON JOB (Size/capacity):

LaBarge Property	TxDOT ROW/SJRWP
Komatsu PC300LC Excavator (2)	Cat Long Reach Excavator
Komatsu PC200LC Excavator	Cat 930 Loader
Komatsu D61 Dozer	Cat D5 Dozer
Deere 624J Front-end Loader	Morooka Dump Truck
Deere 644J Front-end Loader	Skid-steer
Crane	Water Truck
Work boat with winch	Barge-Mounted Excavator (2)
	'Jim Dandy' Tug Boat
	Jon Boat
	Aggregate Transport Barge

TIDE INFORMATION:

Time:	Location:	Height (inches):
15:30	SG-03	24

HEALTH AND SAFETY INFORMATION:

No incidents or near misses on this date.

CHRONOLOGICAL ACCOUNT OF ANCHOR QEA FIELD REPRESENTATIVE ACTIVITIES:

07:00 Sam Werner (Anchor QEA) on-site at the Admin area; USA crew on-site.

07:05 Participated in a tailgate Health and Safety Meeting led by Aubrey Pearson (USA Health & Safety Officer). Main topic: encourage the use of personal protection equipment (PPE), including the use of work gloves and hearing protection around heavy machinery.

07:10 Today's Projected Work Objectives for USA and their subcontractors:

- Placement of Armor Cap D rock in the northwestern area to the north of the central berm
- Placement of Armor Cap A rock in the northwestern area outside the north berm of the Western Cell
- Receive approximately 1,000 tons of crushed concrete road base (CCRB), and spread the CCRB in the Western Cell to create a smooth working surface for geotextile and geomembrane installation

07:15 USA crew mobilized to the TxDOT ROW/SJRWP area.

07:50 S. Werner and Valmichael Leos (USEPA) mobilized to the LaBarge Property.

08:00 S. Werner and V. Leos mobilized via Jon Boat to the TxDOT ROW/SJRWP area to observe water-based operations, accompanied by Ron Griffith (USA) and Shirley & Sons crew members. Current activities:

- Surface grading in the Western Cell, using the following procedure:
  - Receiving CCRB at the south end of the central berm
  - Front-end loader placing CCRB onto a low ground pressure Morooka dump truck

- Morooka truck delivering CCRB near the leading edge of the CCRB placement area, traveling on previously-placed CCRB material
- Dozer spreading CCRB across the surface of the Western Cell, traveling on previously-placed CCRB material

08:30 The aggregate transport barge arrived at the scene of water-based operations. Water-based crew began placing Armor Cap A and D rock in the northwestern area adjacent to the Western Cell.

09:40 S. Werner and V. Leos mobilized to the LaBarge Property.

09:50 S. Werner and V. Leos mobilized to the Admin area.

11:00 S. Werner mobilized to TxDOT ROW/SJRWP area. Current activities:

- Placing CCRB in the Western Cell
  - Morooka truck delivering CCRB along eastern slope of the Western Cell
  - Dozer spreading CCRB along the inside eastern slope of the Western Cell
- Water-based operations currently idle awaiting next load of Armor Cap A rock from LaBarge Property

15:00 S. Werner and V. Leos mobilized to the TxDOT ROW/SJRWP area. Current activities:

- Placing CCRB in the Western Cell
  - Placing CCRB using low-ground pressure skid-steer to redistribute and spread road material previously placed in the Western Cell
  - Morooka truck delivering CCRB along eastern slope of the Western Cell
  - Dozer spreading CCRB along inside eastern slope of the Western Cell

15:30 SG-03 tide gauge reading = 24 inches; incoming tide is high enough to reach portions of the access road along the TxDOT ROW.

15:45 S. Werner and V. Leos mobilized to the Admin area.

17:05 S. Werner departed the TxDOT ROW/SJRWP area, off-site for the day.

Summary of Progress on this Date:

- Placed Armor Cap A and D rock in the northwestern area outside the northern berm of the Western Cell; water-based rock placement operations are complete, pending comprehensive hydrographic survey to identify potential areas of re-work
- Received 298 tons of Armor Cap A rock at the LaBarge Property for water-based placement
- Received 923 tons of CCRB and used the CCRB to create a well-graded surface in the Western Cell

Persons On-site on this Date:

USEPA – Valmichael Leos
Anchor QEA – Sam Werner
USA Environment – Ron Griffith, Aubrey Pearson, and 7 crew
Shirley & Sons – 11 crew

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Cover Material Delivery Summary as of this Date:

Material	Stone Size (D_{50})	Units	Delivered 5/19 (units)	Delivery Verification Method	Preceding Delivered Total	Total Delivered for Project
Armor Cap A	3”	ton	298	weigh tickets	14,950	15,248 (122%)
Armor Cap B/C	6”	ton	0	weigh tickets	1,927	1,927 (16%)
Armor Cap C	6”	ton	0	weigh tickets	10,069	10,069 (94%)
Armor Cap D	8”	ton	0	weigh tickets	20,641	20,641 (78%)

Cover Material Placement Summary as of this Date:

Material	Stone Size (D_{50})	Units	Placed 5/19 (units)	Verification Method	Preceding Placed Total	Total Placed for Project
Armor Cap A	3”	ton	750	contractor measure	11,709	12,459 (100%)
Armor Cap B/C	6”	ton	0	contractor measure	1,927	1,927 (16%)
Armor Cap C	6”	ton	0	contractor measure	9,708	9,708 (91%)
Armor Cap D	8”	ton	55	contractor measure	20,586	20,641 (78%)
					All Types:	44,735 (72%)

PHONE LOG:

11:45 S. Werner and John Verduin (Anchor QEA) discussed the use of skid-steer equipment in the Western Cell to alleviate subgrade ground pressure.

SITE PHOTOS/VIDEOS TAKEN: (attached below)	**FORCE ACCOUNT WORK/ CHANGES ENCOUNTERED:**
4 photos (descriptions provided underneath photo)	None

FIELD REPRESENTATIVE	Sam Werner	HRS	10	DATE	5/19/11

(Signature on Hardcopy)

Photo 1 – Water-based spreading of Armor Cap D rock (24 inch thick area) to the north of the central berm.

Photo 2 – Morooka truck unloading crushed concrete road base in the Western Cell.

Photo 3 – Softer subgrade and water visible in the Western Cell; area will be marked and heavy equipment (e.g. dozer) will not track across this area during placement of the armored cap in the Western Cell.

Photo 4 – Spreading crushed concrete road base in the Western Cell using a low-ground pressure skid-steer.